

Title (en)  
COMPOUND FOR BODY PLY SKIM

Title (de)  
VERBINDUNG FÜR REIFENKÖRPERAUSSENSCHICHT

Title (fr)  
COMPOSÉ POUR PELLICULE DE NAPPE DE CORPS

Publication  
**EP 3941761 B1 20230426 (EN)**

Application  
**EP 20714699 A 20200319**

Priority  
• IT 201900004047 A 20190320  
• IB 2020052547 W 20200319

Abstract (en)  
[origin: WO2020188521A1] A rubber compound for body ply skim comprising: - a mix of rubber consisting of (i) Epoxidized Natural Rubber acting as polymer base with a cross-linkable unsaturated chain; (ii) Natural Rubber acting as polymer base with a cross-linkable unsaturated chain; (iii) Polyepihalohydrin rubber, - a filler material, and - a vulcanization system; The compound comprises: 70 to 90 phr of said Polyepihalohydrin rubber; 5 to 25 phr of said Epoxidized Natural Rubber (E-NR); and 5 to 25 phr of said Natural Rubber (NR); the phr ratio between E-NR and NR ranging from 0.2 to 5.0.

IPC 8 full level  
**C08L 7/00** (2006.01); **C08L 15/00** (2006.01)

CPC (source: EP US)  
**B60C 1/0008** (2013.01 - US); **B60C 1/0041** (2013.01 - EP US); **B60C 5/14** (2013.01 - US); **C08L 7/00** (2013.01 - EP); **C08L 15/00** (2013.01 - EP); **C08L 19/006** (2013.01 - US); **C08L 71/03** (2013.01 - EP US); **C08L 2205/03** (2013.01 - US)

C-Set (source: EP)  
1. **C08L 71/03 + C08L 7/00 + C08L 15/00 + C08K 3/04 + C08K 3/346 + C08K 3/06 + C08K 5/47 + C08K 5/47**  
2. **C08L 7/00 + C08K 3/04 + C08K 3/06 + C08K 3/346 + C08K 5/47 + C08K 5/47 + C08L 15/00 + C08L 71/03**  
3. **C08L 15/00 + C08K 3/04 + C08K 3/06 + C08K 3/346 + C08K 5/47 + C08K 5/47 + C08L 7/00 + C08L 71/03**

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2020188521 A1 20200924**; CN 113573917 A 20211029; CN 113573917 B 20230523; EP 3941761 A1 20220126; EP 3941761 B1 20230426; IT 201900004047 A1 20200920; JP 2022523581 A 20220425; JP 7329061 B2 20230817; US 12024620 B2 20240702; US 2022169838 A1 20220602

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